



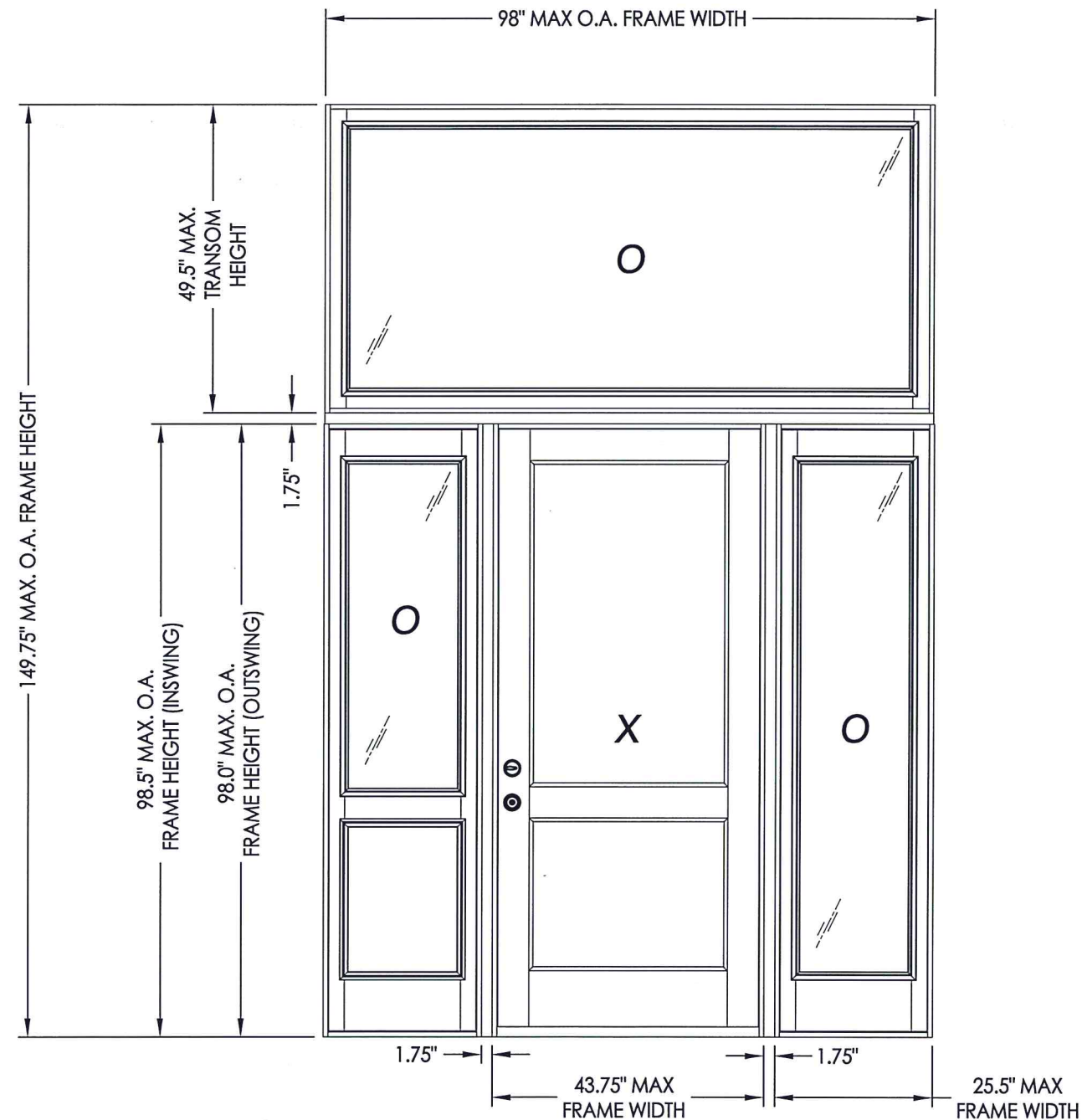
IMPACT 360 SERIES

WOOD GLAZED OR OPAQUE
SINGLE DOOR w/ TRANSOM
w/ or w/out SIDELITE(S)
INSWING/OUTSWING
"IMPACT"

GENERAL NOTES

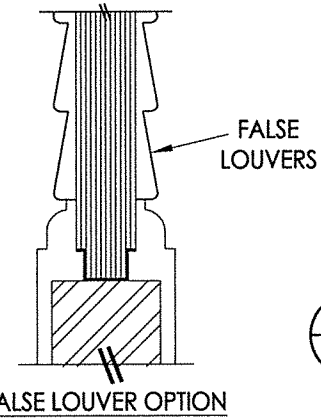
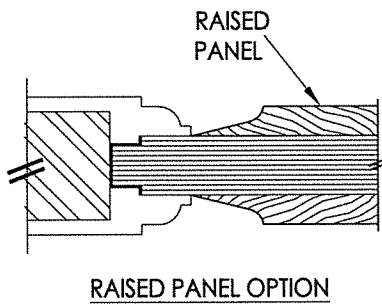
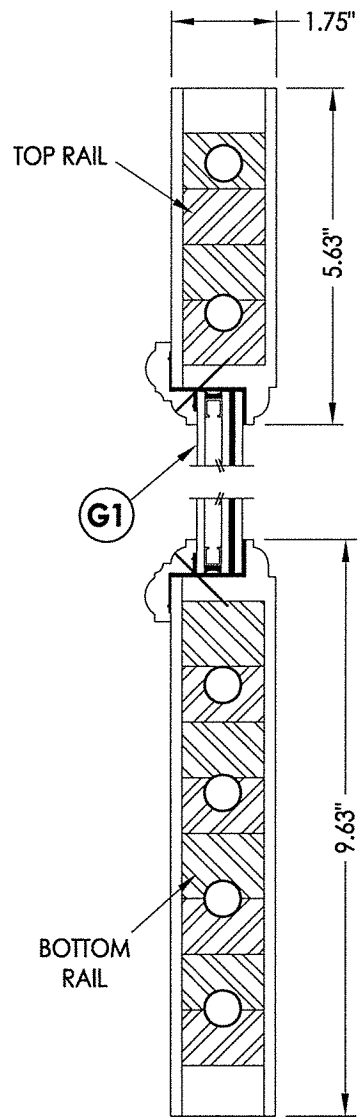
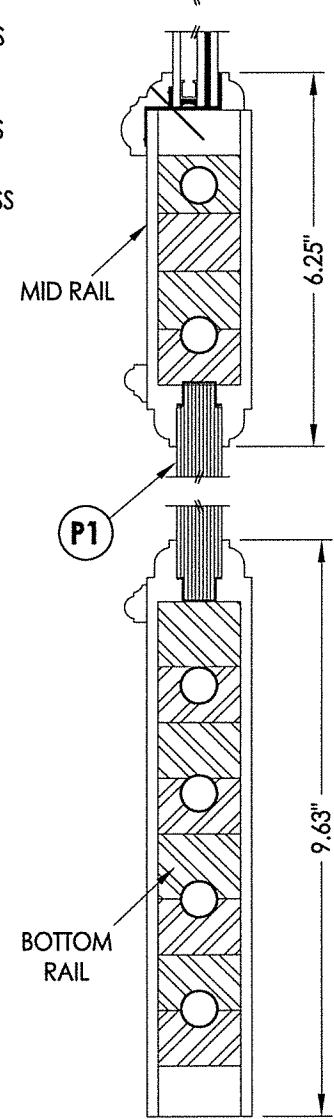
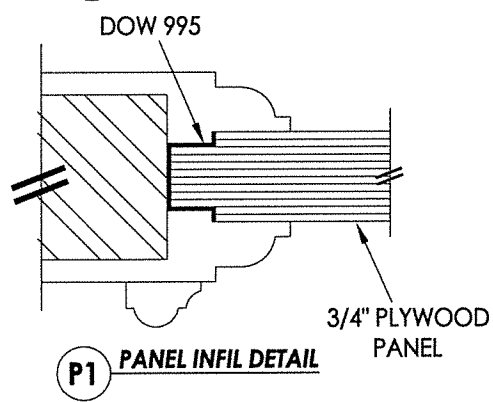
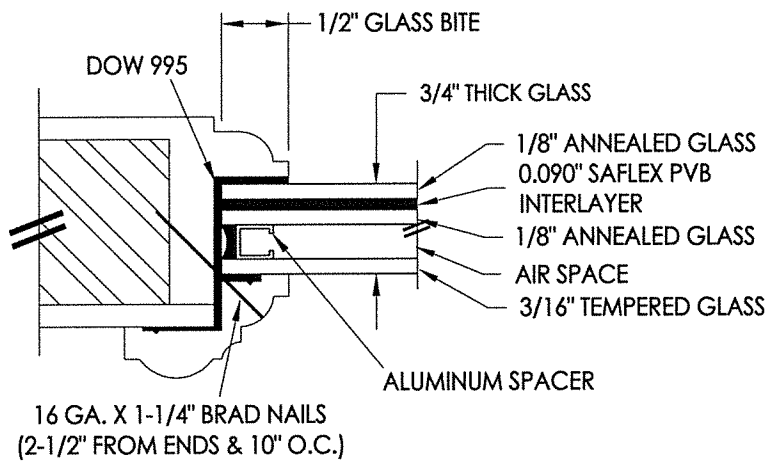
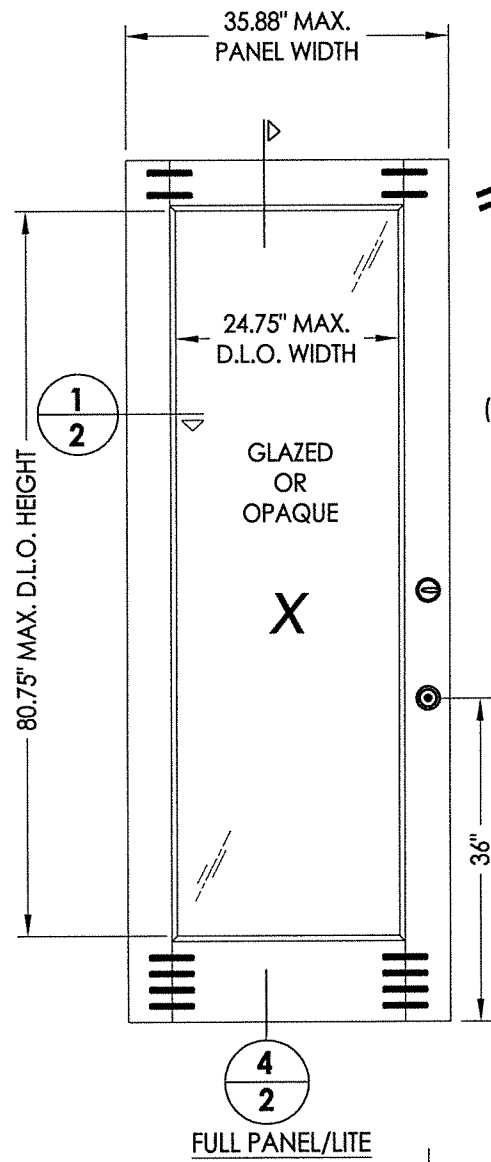
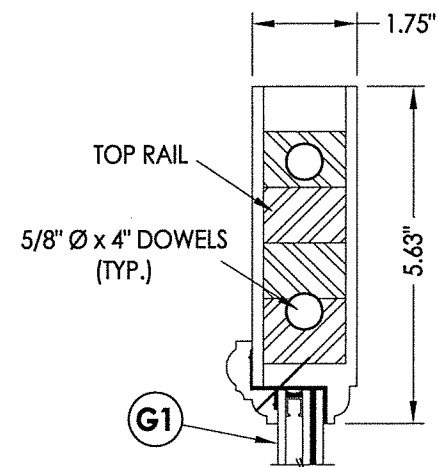
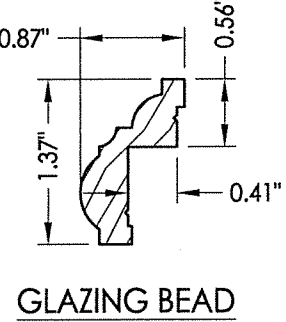
1. This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection, this product complies with Section 1609.1.2 of the FBC and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and Section 1609.1.2.2 of the FBC.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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SHEET#	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Sidelite Panel Details
4	Transom Details
5	Elevations
6	Horizontal & Vertical Cross Sections (2X Buck)
7	Horizontal & Vertical Cross Sections (1X Buck)
8	Horizontal & Vertical Cross Sections
9	Vertical Cross Sections (Thresholds)
10	Buck & Frame Anchoring (O/X)
11	Buck & Frame Anchoring (O/OX)
12	Buck & Frame Anchoring (O/OXO)
13	Hardware Details
14	Bill of Materials & Components

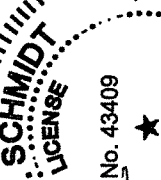


CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
$\frac{O}{X}, \frac{O}{OX}, \frac{O}{XO}, \frac{O}{OXO}$	+50.0	-50.0	+50.0	-50.0

		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		STATE OF FLORIDA PROFESSIONAL ENGINEER	
				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE C.A. No. 9813	
				RW	
				PRODUCT:	
				MILLWORK 360 WOOD DOOR	
				PART OR ASSEMBLY:	
				TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
				REVISIONS	
				NO. DATE BY	
				DATE: 2/14/17	
				SCALE: N.T.S.	
				DWG. BY: JK	
				CHK. BY: LFS	
				DRAWING NO.:	
				FL-21891.3	
				SHEET 1 OF 14	



40 WOOD DOOR PANEL
Glazed or Opaque



F. Schmidt
 43409

Prepared By: F. Schmidt
 Date: 4-11-17

BUILDING CONSULTANTS, INC.
 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE C.A. No. 9813

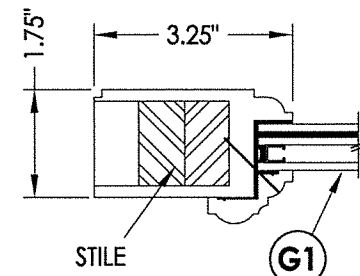
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT: MILLWORK 360
WOOD DOOR

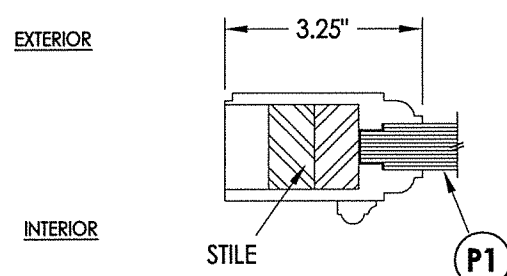
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

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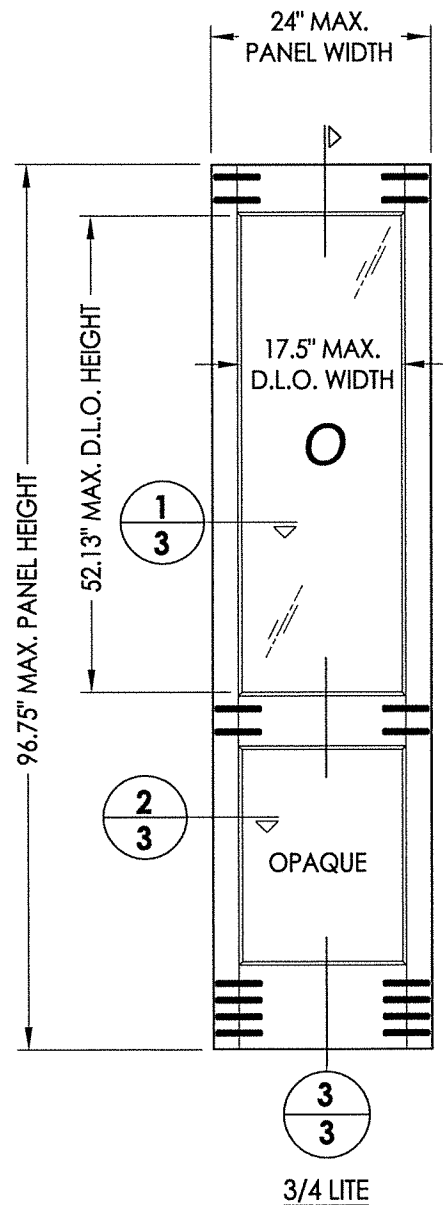
DATE:	2/14/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21891.3
SHEET	2 OF 14



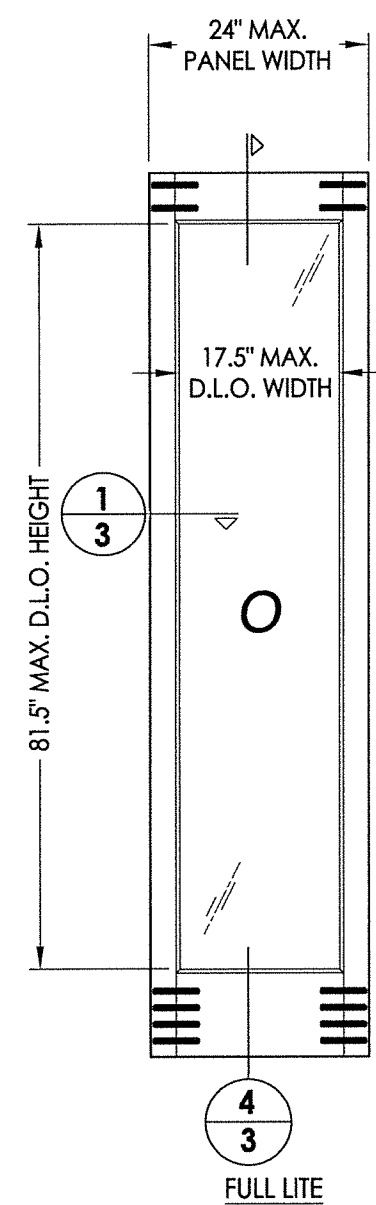
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3 **HORIZONTAL CROSS SECTION**



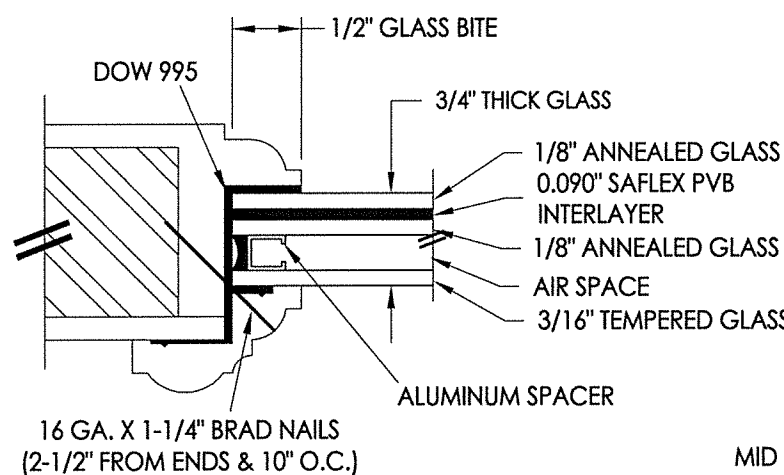
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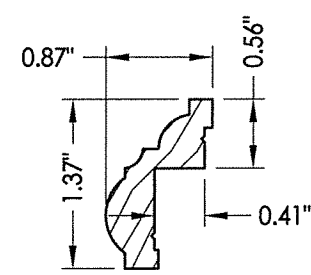
50 **WOOD SIDELITE PANEL**



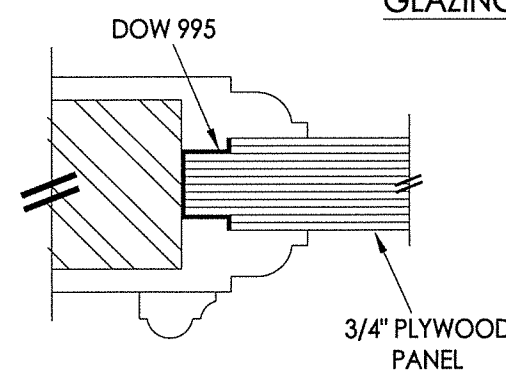
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3 **FULL LITE**



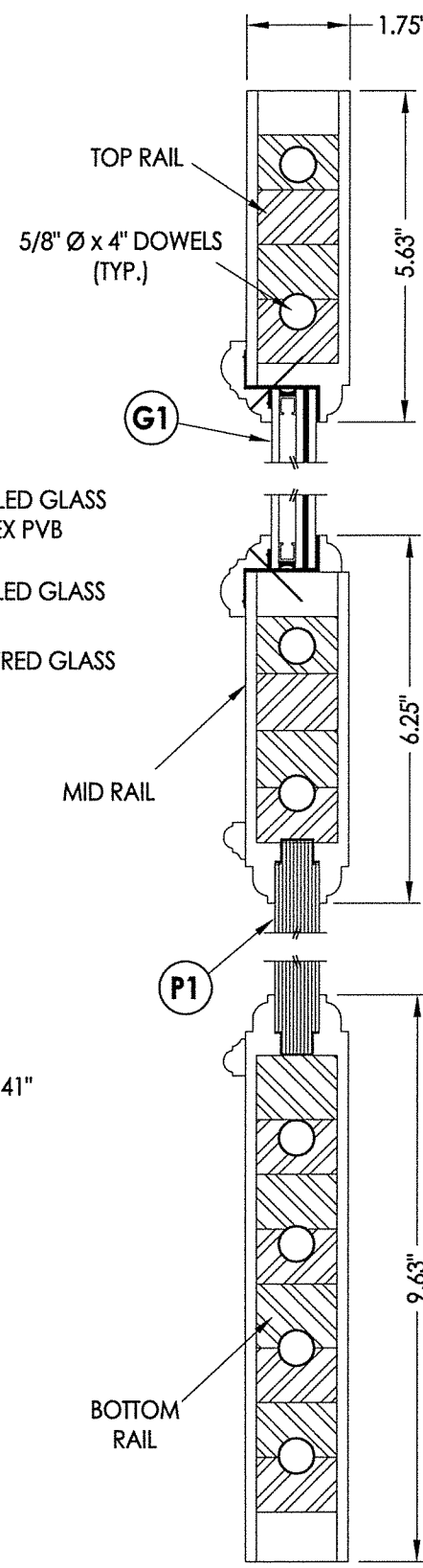
G1 **GLAZING DETAIL**



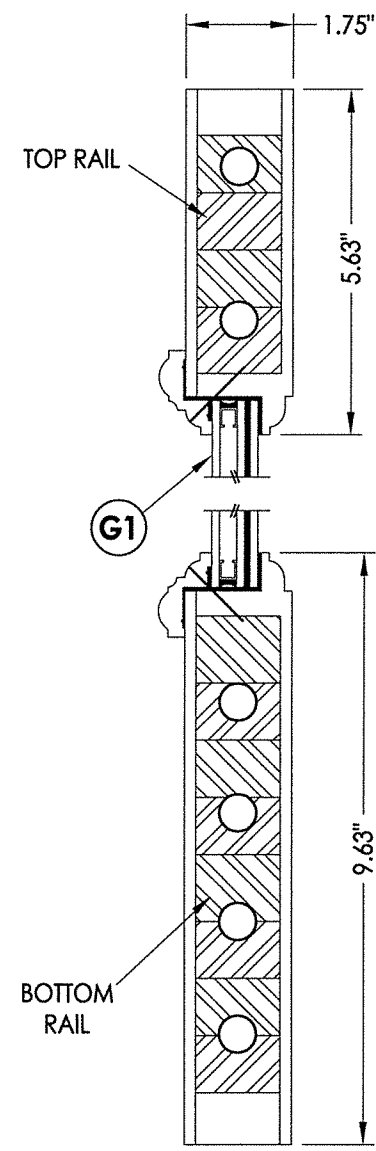
GLAZING BEAD



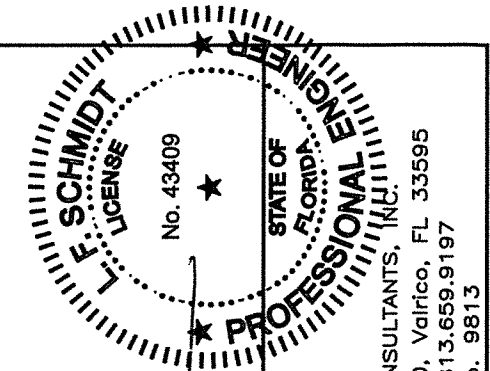
P1 **PANEL INFIL DETAIL**



3
3 **VERTICAL CROSS SECTION**



4
3 **VERTICAL CROSS SECTION**



Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

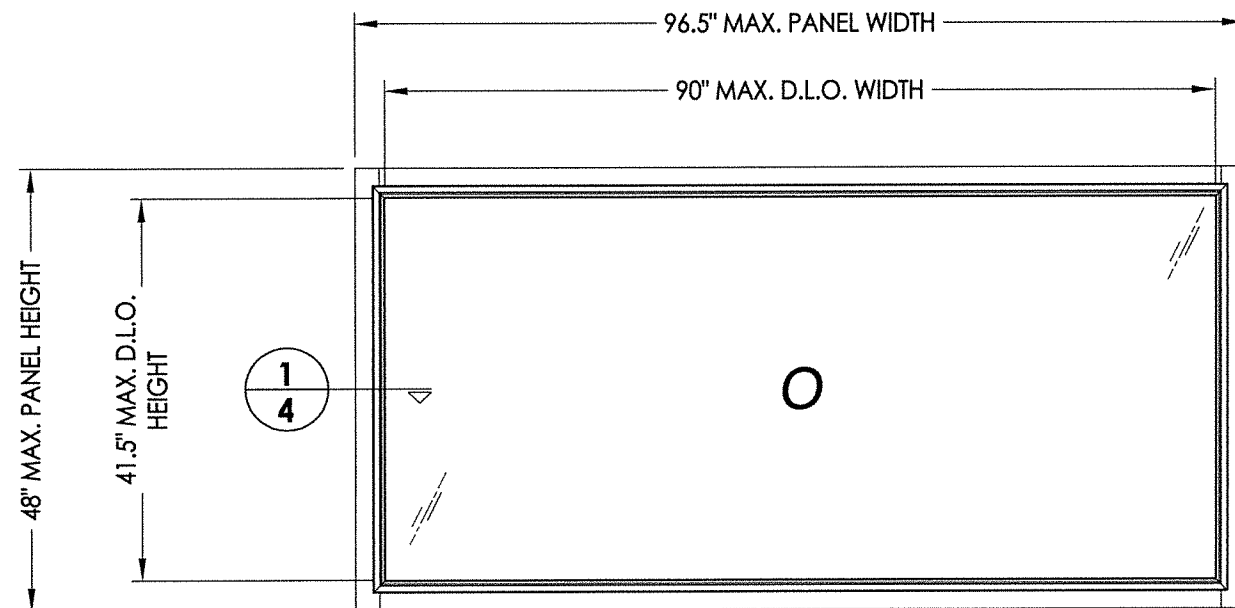
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT: MILLWORK 360 WOOD DOOR

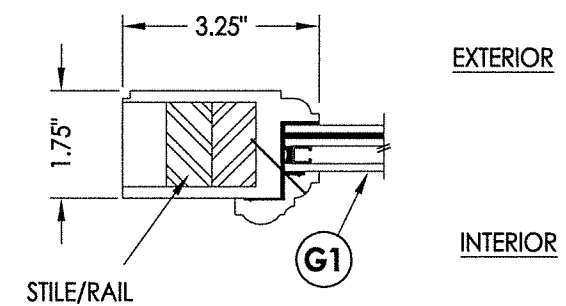
PART OR ASSEMBLY: SIDELITE PANEL DETAILS

NO.	DATE	BY

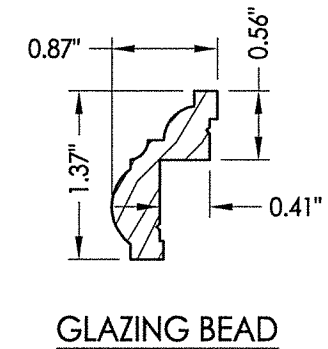
DATE: 2/14/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21891.3
SHEET 3 OF 14



70 WOOD TRANSOM PANEL



1 **HORIZONTAL CROSS SECTION**

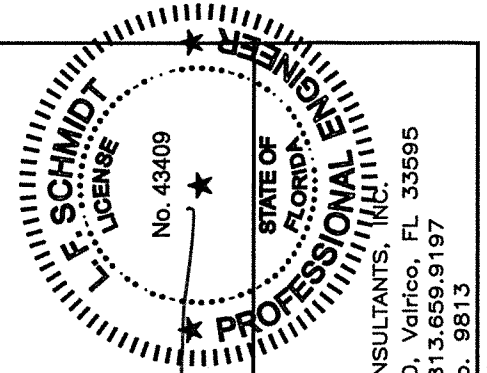


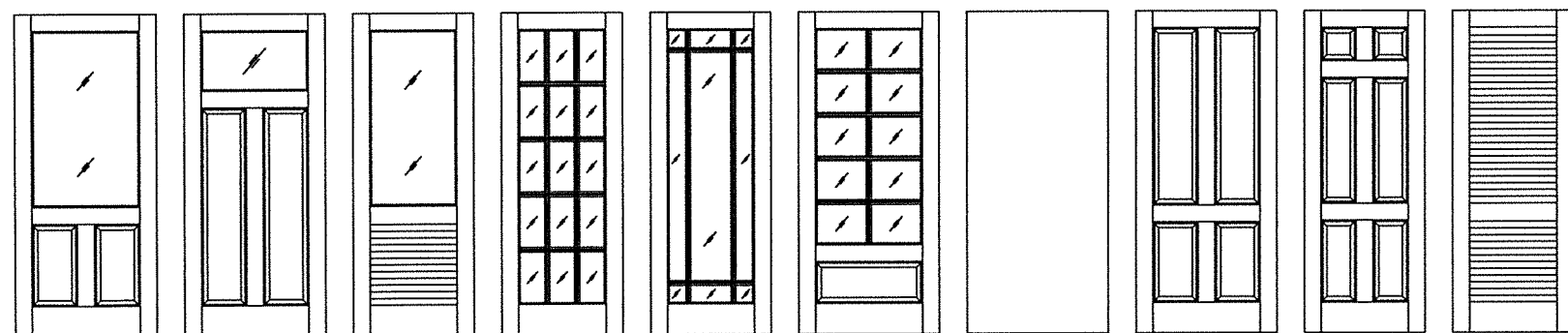
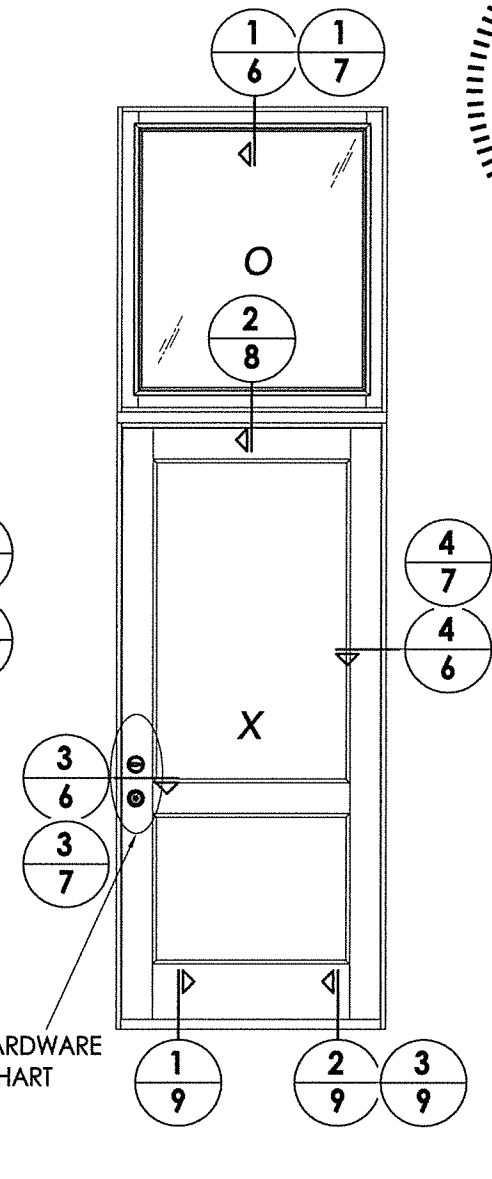
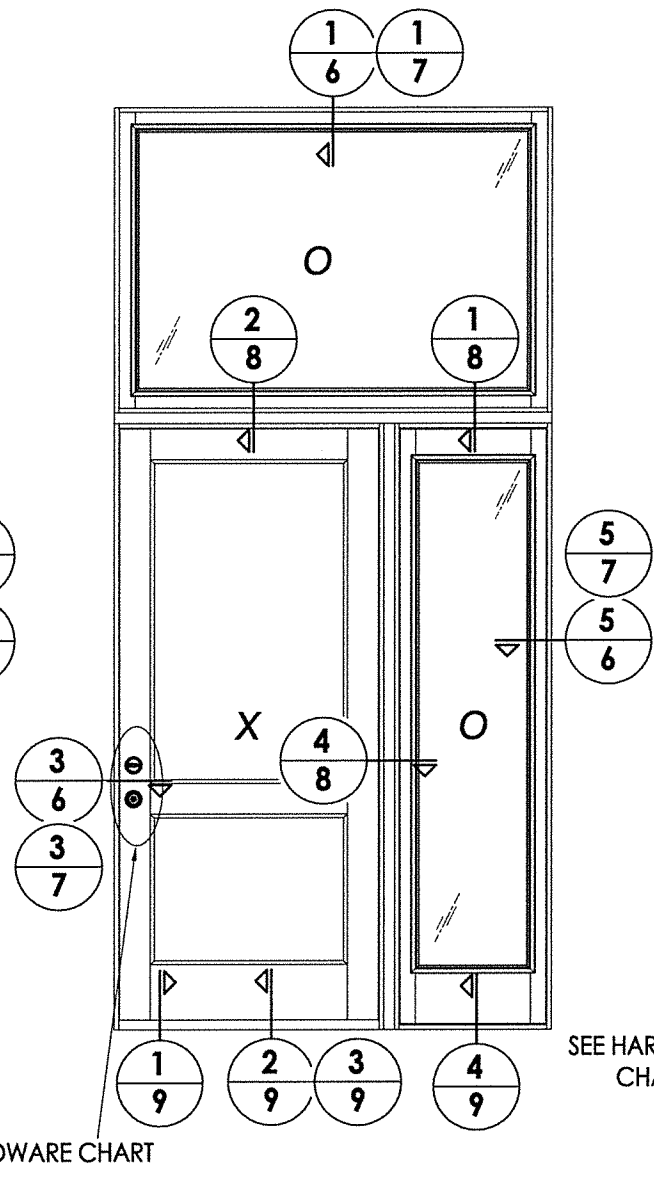
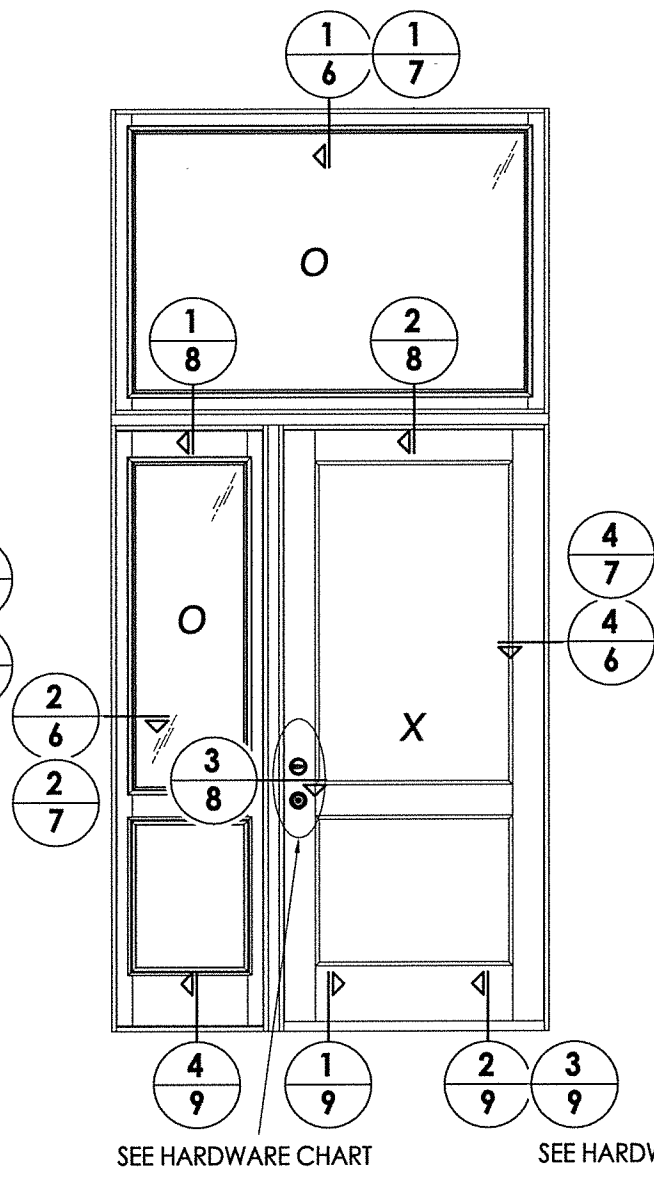
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SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21891.3
SHEET	4 OF 14

PRODUCT:	MILLWORK 360 WOOD DOOR
PART OR ASSEMBLY:	TRANSOM DETAILS

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813





Panel options shown are for illustration and are representative only. Surface applied muntins are used for simulated divided lites shown.

HARDWARE TABLE		
MANUFACTURER	MODEL	
EMTEK	Morlise: 3545 Entry Set	
SCHLAGE	KNOB: F51 DEADBOLT: B60N	
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)	

DATE:	2/14/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21891.3
SHEET	5 OF 14

4

For

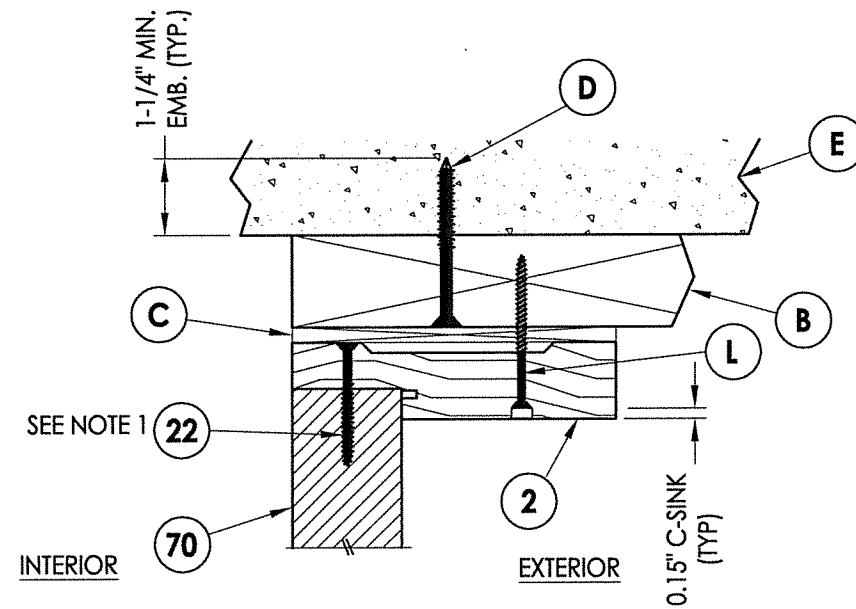
4-11-17

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

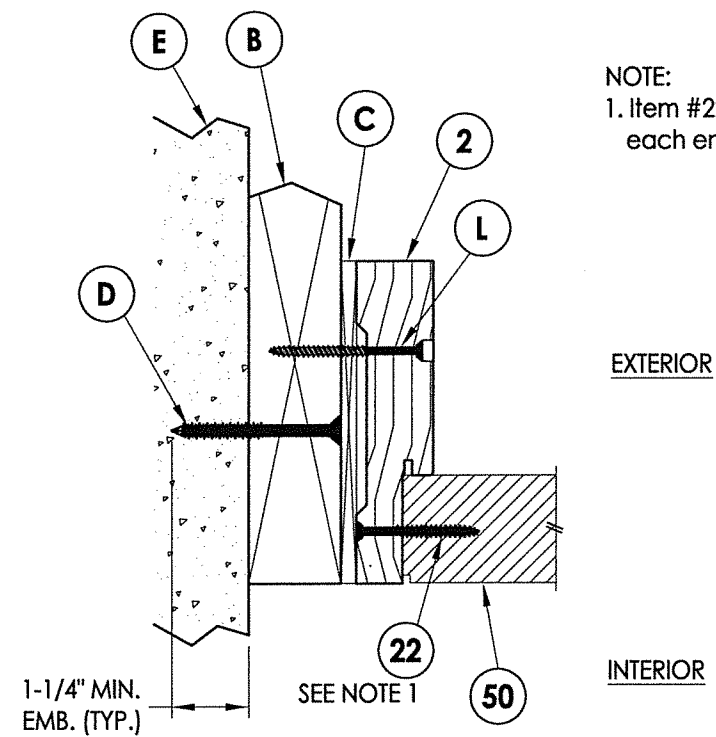
RW

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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

1-1/4" MIN.
EMB. (TYP.)

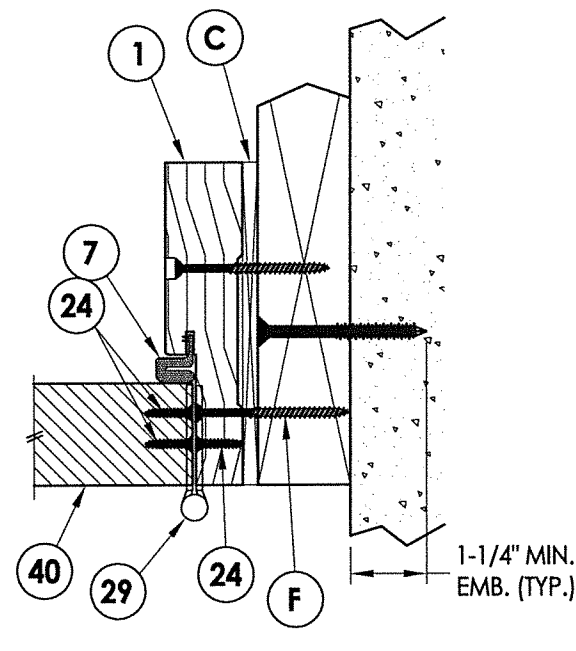


1 **VERTICAL CROSS SECTION**
6 Shown w/ 2X Buck
 Inswing shown (Outswing similar)

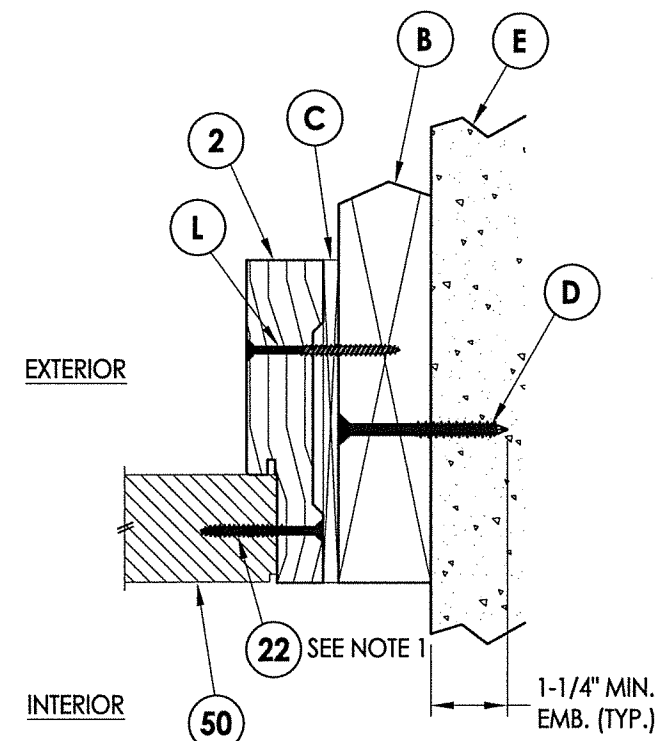


2 **HORIZONTAL CROSS SECTION**
6 Shown w/ 2X Buck
 Inswing shown (Outswing similar)

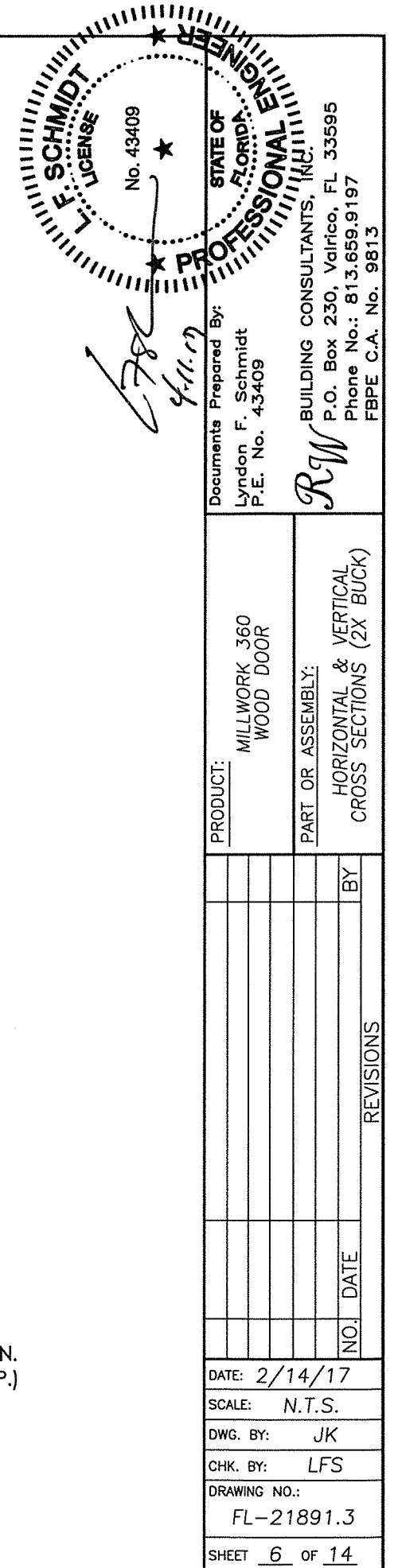
NOTE:
1. Item #22 located 4" from
each end then 7 more (9 total).



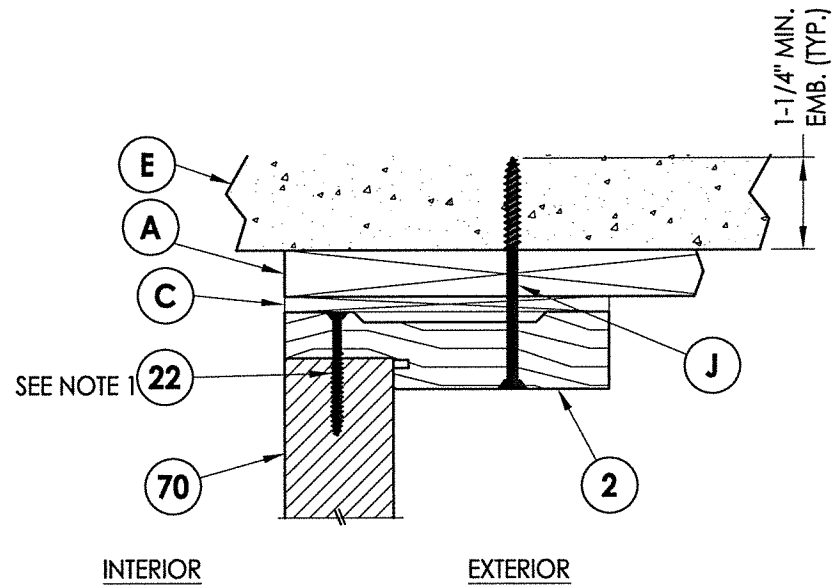
4 HORIZONTAL CROSS SECTION
6 Shown w/ 2X Buck
Inswing shown (Outswing similar)



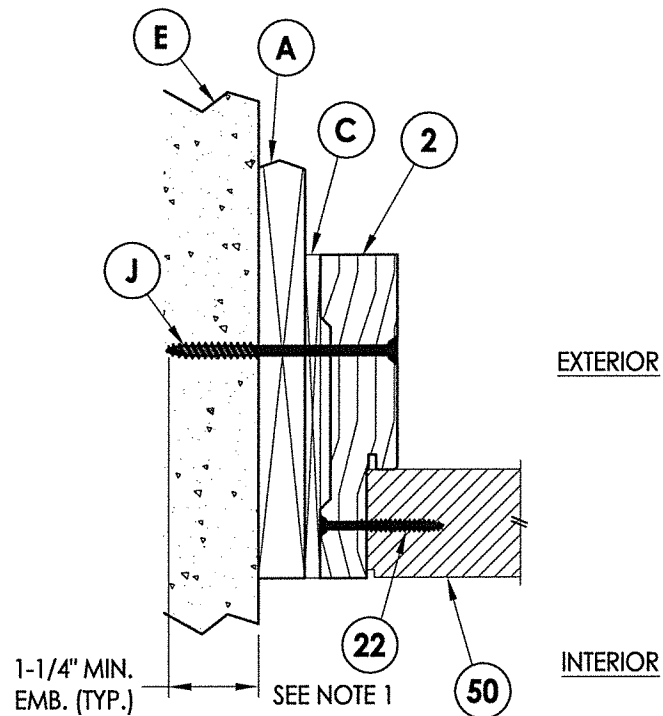
5 HORIZONTAL CROSS SECTION



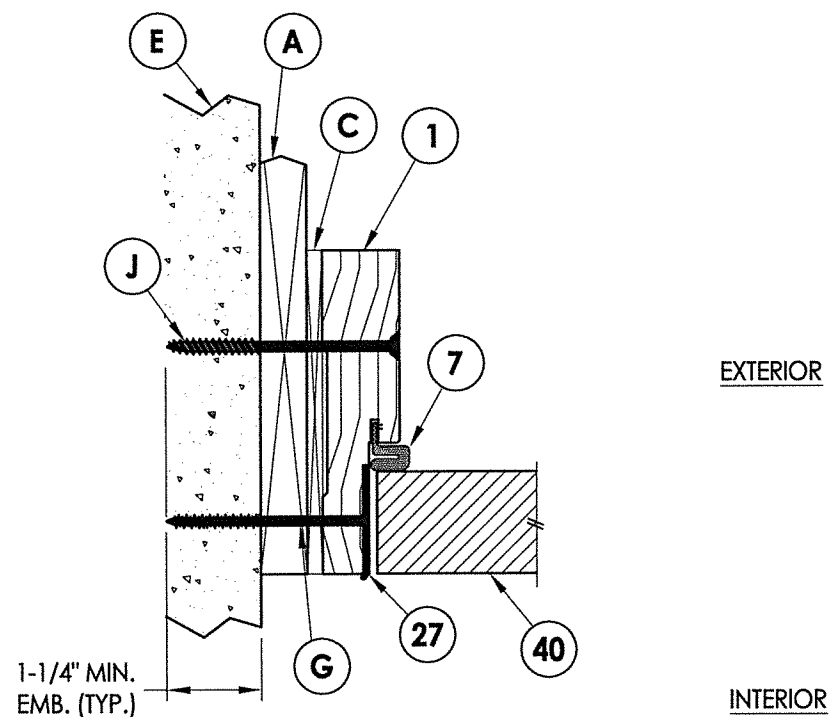
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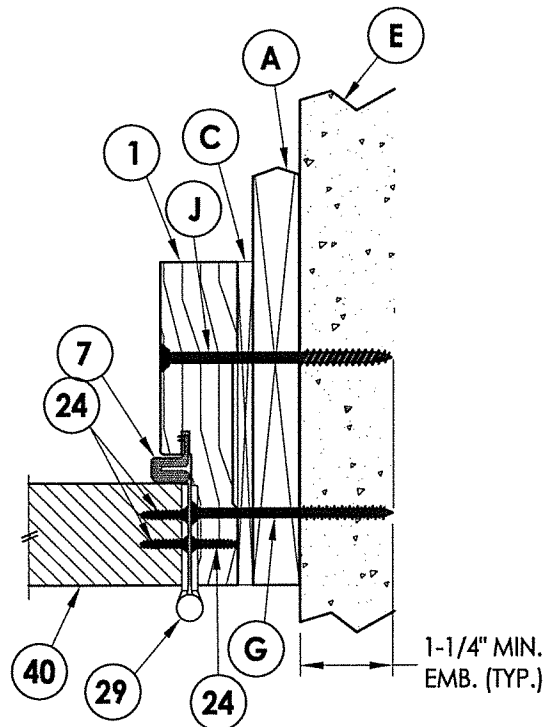
1 VERTICAL CROSS SECTION
7 Shown w/ 1X Buck
Inswing shown (Outswing similar)



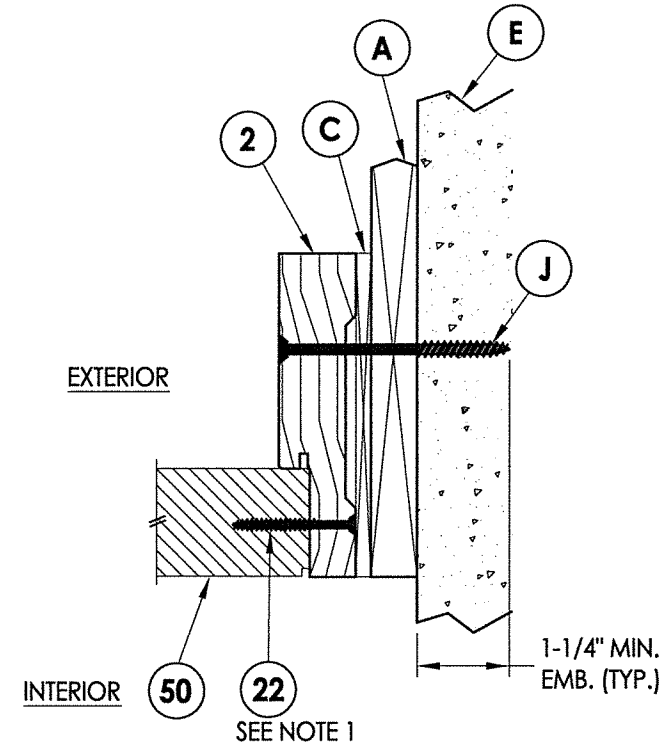
2 HORIZONTAL CROSS SECTION
7 Shown w/ 1X Buck
Inswing shown (Outswing similar)



3 HORIZONTAL CROSS SECTION
7 Shown w/ 1X Buck
Inswing shown (Outswing similar)



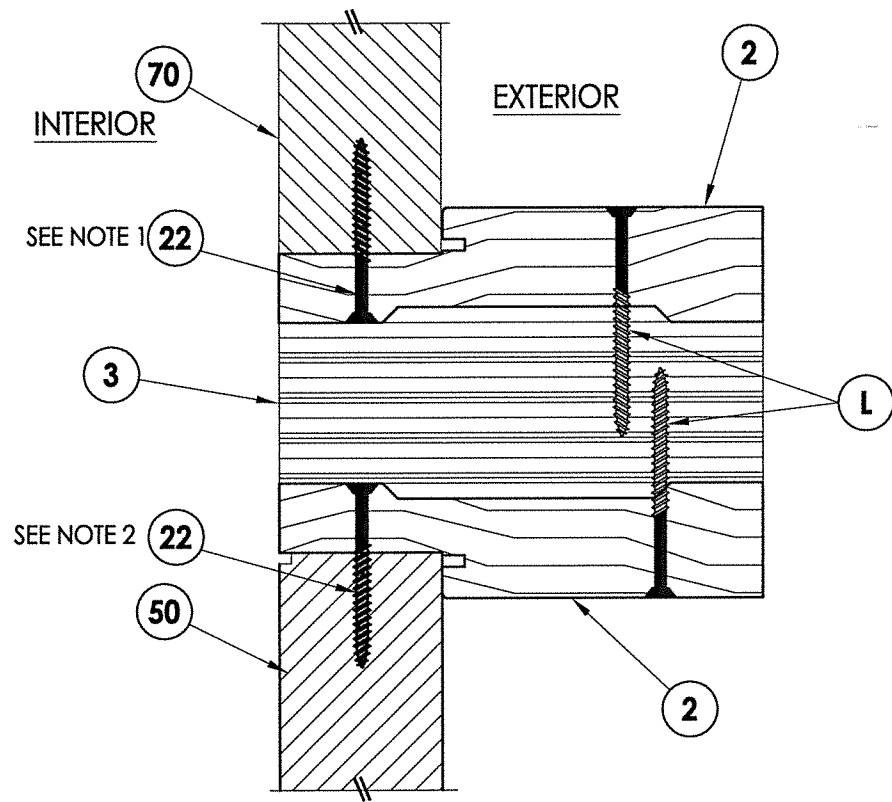
4 HORIZONTAL CROSS SECTION
7 Shown w/ 1X Buck
Inswing shown (Outswing similar)



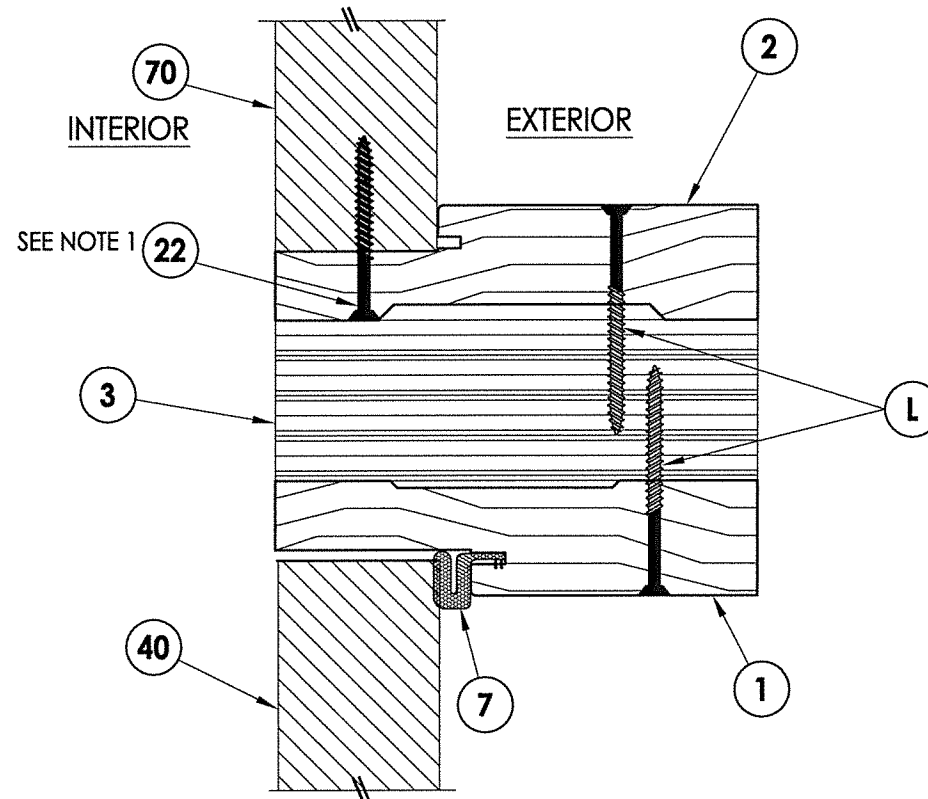
5 HORIZONTAL CROSS SECTION
7 Shown w/ 1X Buck
Inswing shown (Outswing similar)

NOTE:
1. Item #22 located 4" from each end then 7 more (9 total).
2. Item #22 located 6" from each end (2 total).

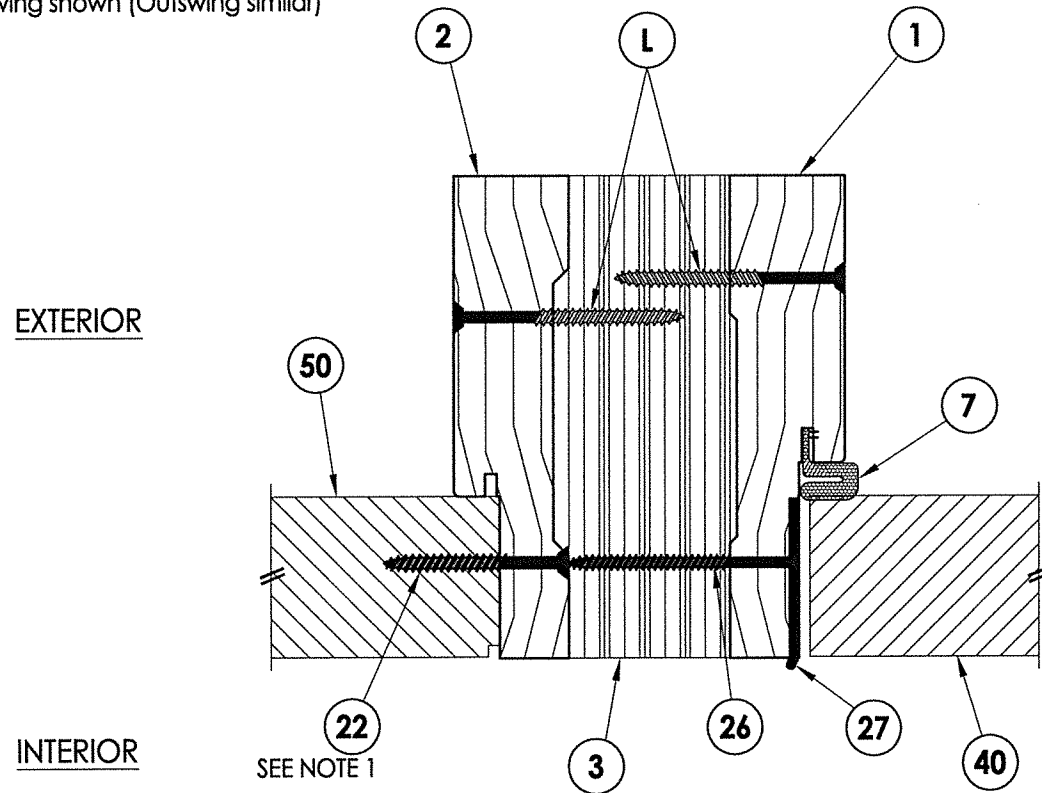
		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE C.A. No. 9813	
		PRODUCT: MILLWORK 360 WOOD DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
				REVISIONS	
				BY	
				NO. DATE	
DATE: 2/14/17					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-21891.3					
SHEET 7 OF 14					



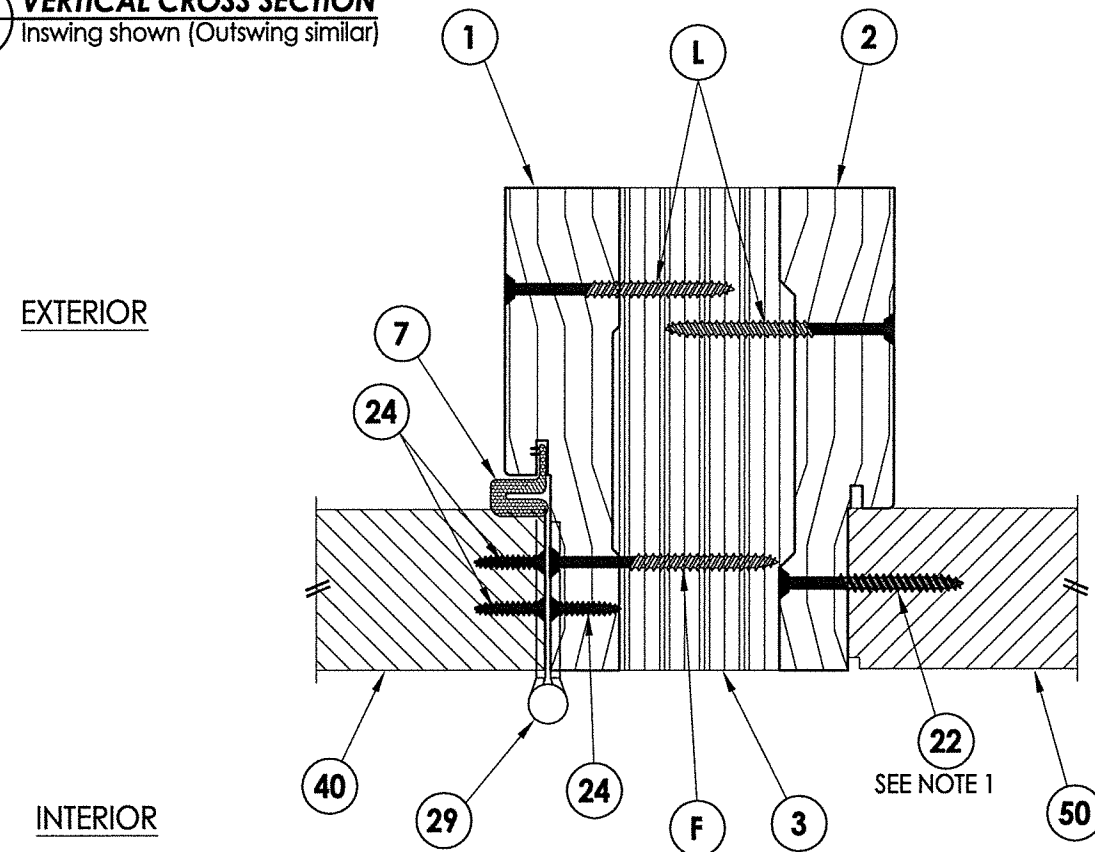
1
8 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)



2
8 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)



3
8 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)

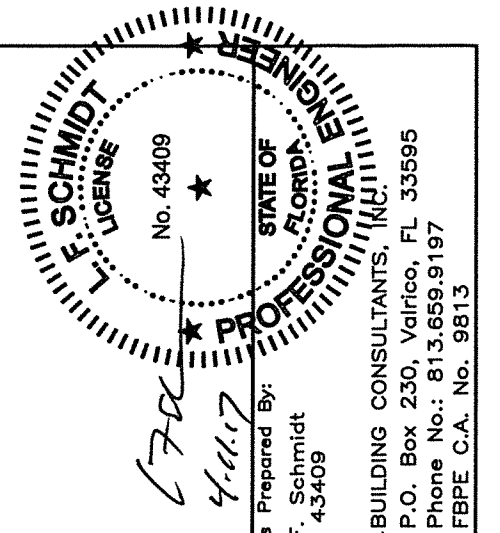
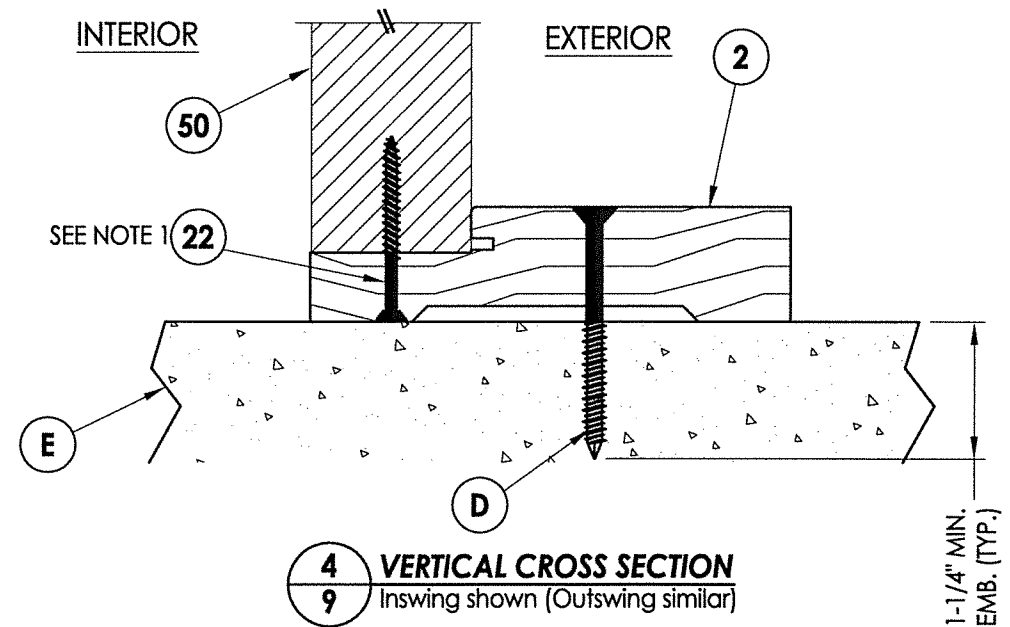
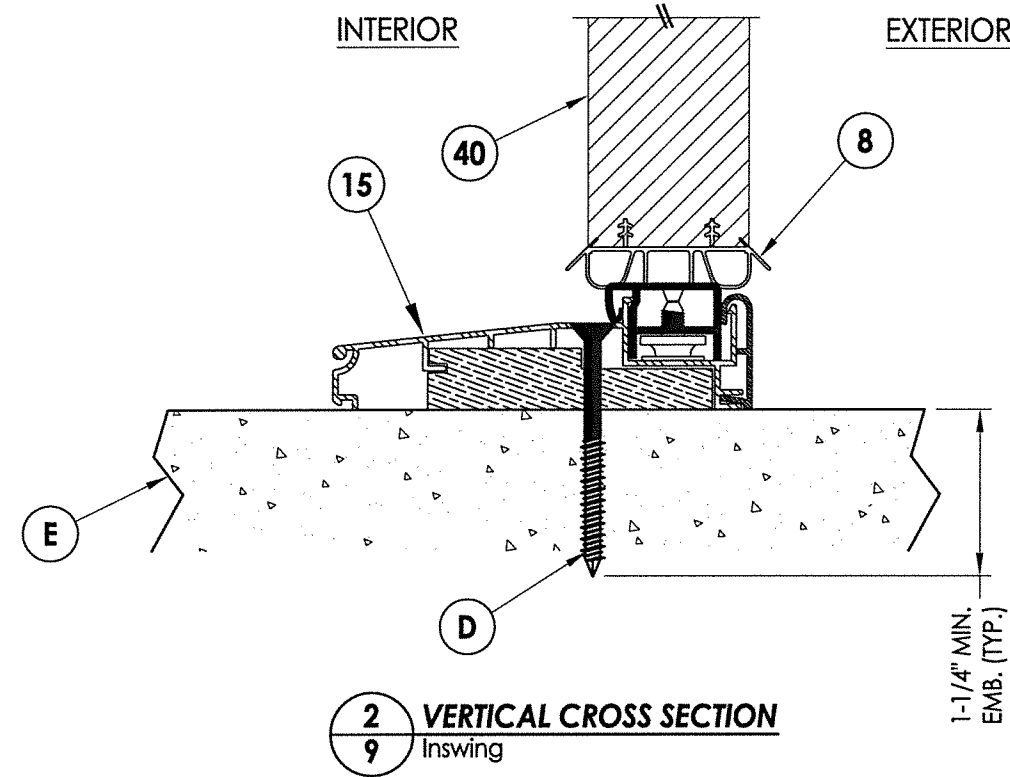


4
8 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)

NOTE:
1. Item #22 located 4" from each end then 7 more (9 total).
2. Item #22 located 6" from each end (2 total).

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE C.A. No. 9813	
PRODUCT: MILLWORK 360 WOOD DOOR	PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS
NO.	DATE
BY	REVISIONS
DATE: 2/14/17	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-21891.3	
SHEET 8 OF 14	

1. Item #22 located 6" from each end (2 total).



Documents Prepared By:
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P.E. No. 43409

RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

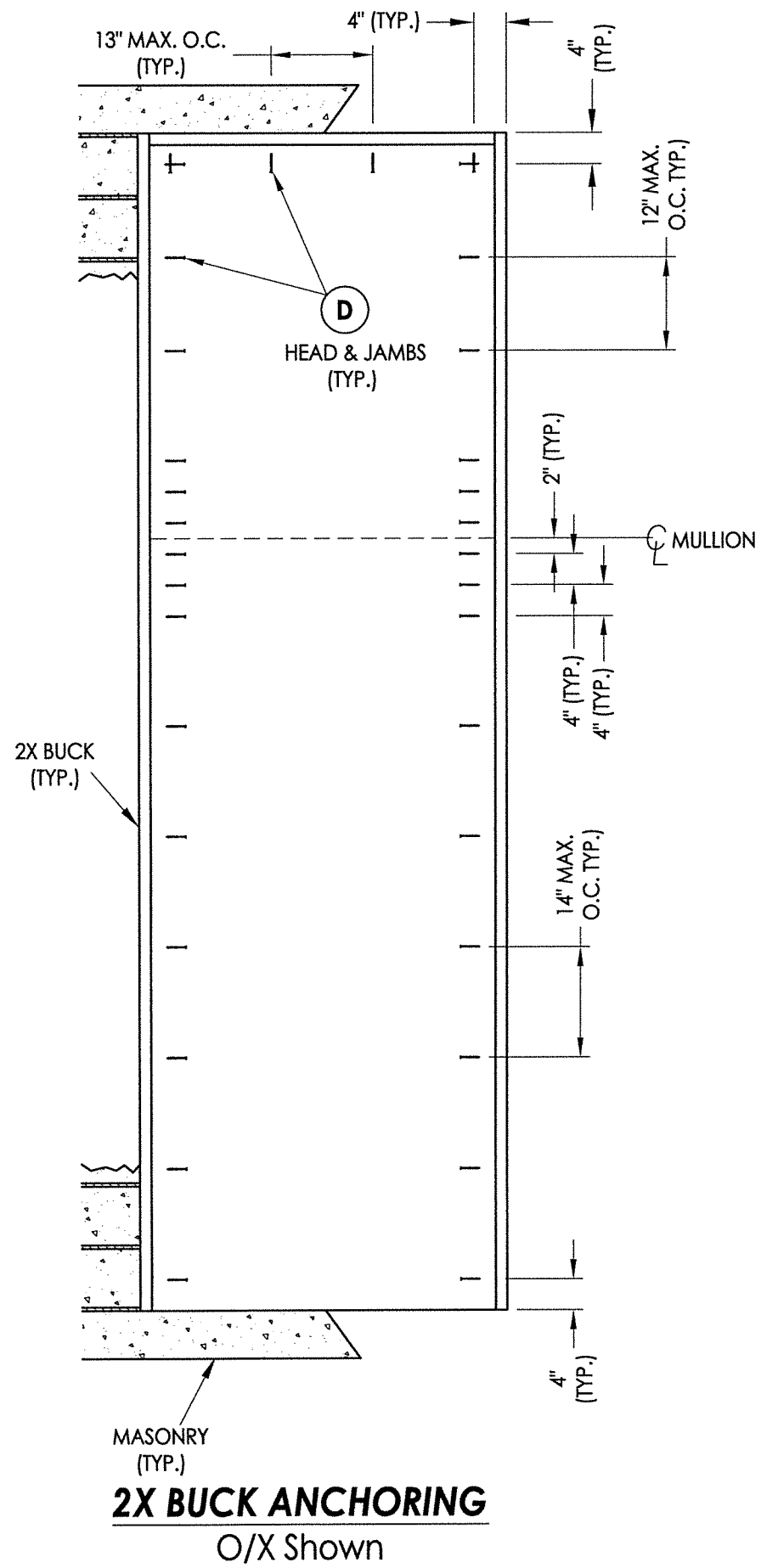
PRODUCT: MILLWORK 360
WOOD DOOR

PART OR ASSEMBLY:

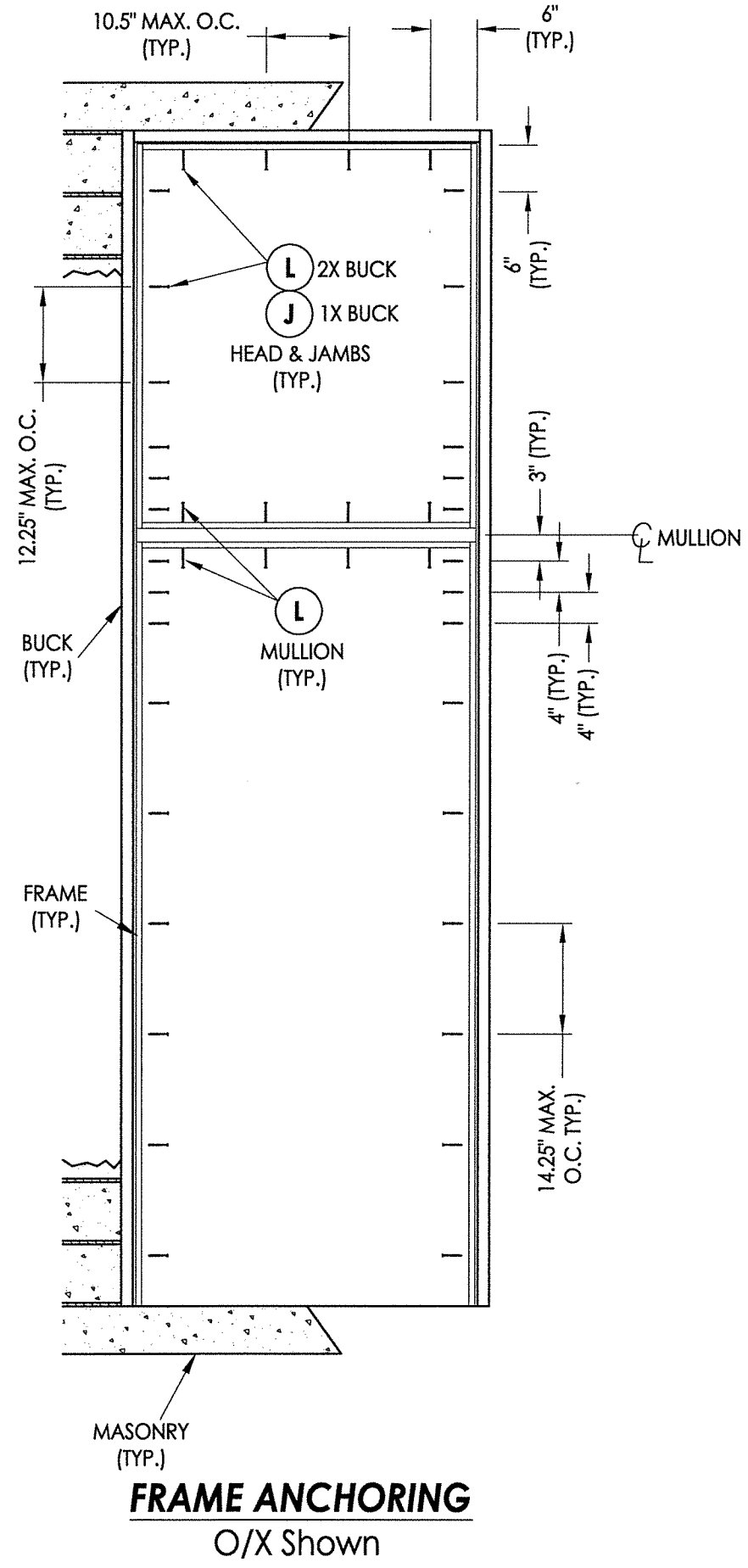
**VERTICAL CROSS
SECTIONS (THRESHOLD)**

[illegible]

DATE:	2/14/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21891.3
SHEET	<u>9</u> OF <u>14</u>



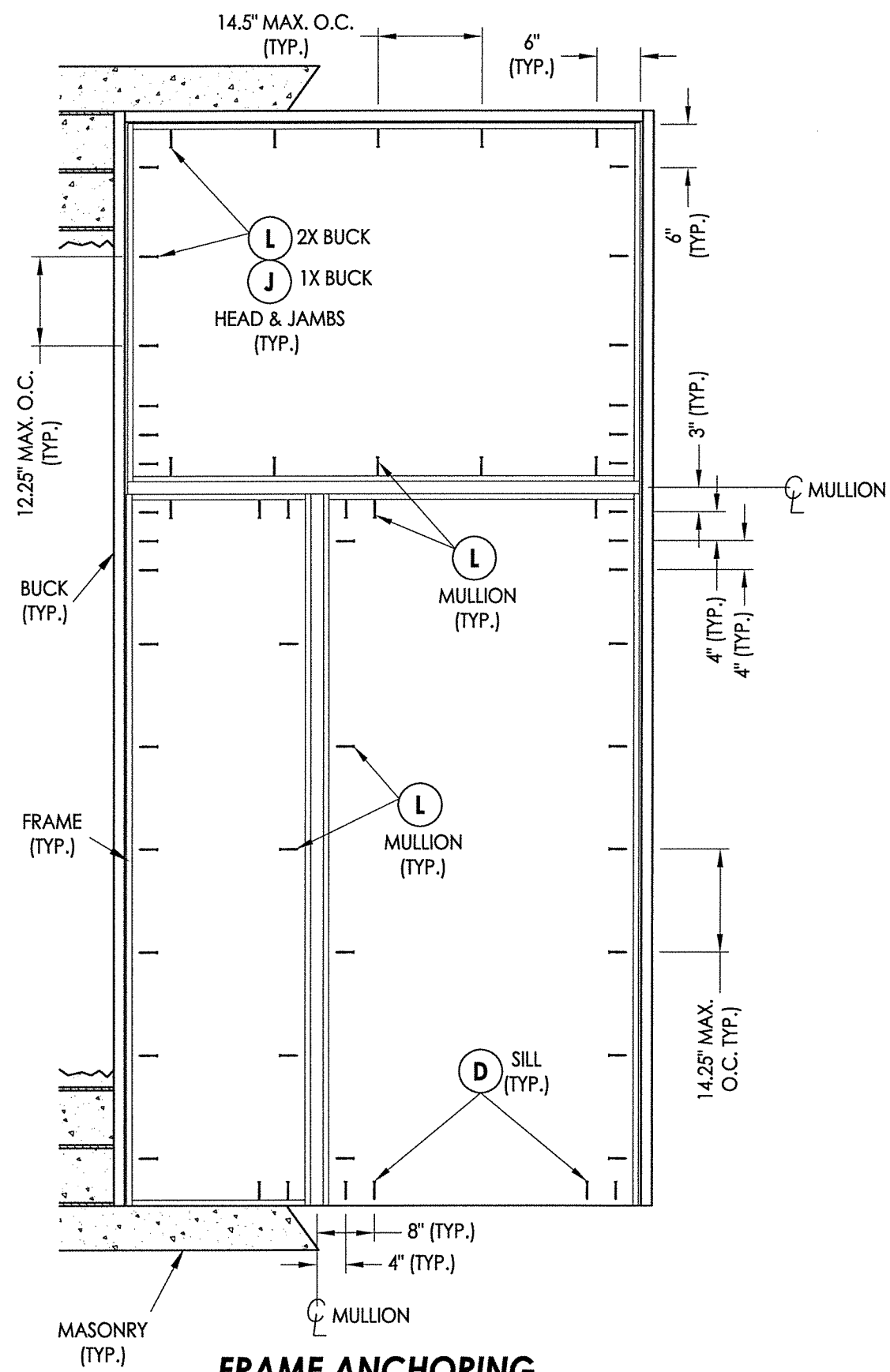
1. ALL FRAME CORNERS SECURED WITH (3) #8 X 2-1/2" FH DEEP THREAD WOOD SCREWS @ SILL.



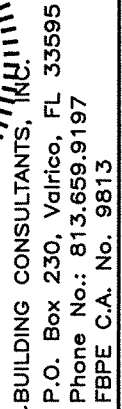
	Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409						BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE C.A. No. 9813	
	PRODUCT: MILLWORK 360 WOOD DOOR						PART OR ASSEMBLY: BUCK & FRAME ANCHORING (O/X)	
						NO. DATE BY REVISIONS		
DATE: 2/14/17								
SCALE: N.T.S.								
DWG. BY: JK								
CHK. BY: LFS								
DRAWING NO.: FL-21891.3								
SHEET 10 OF 14								

O/OX Shown (O/XO - Similar)

1. ALL FRAME CORNERS SECURED WITH (3) #8 X 2-1/2" FH DEEP THREAD WOOD SCREWS @ SILL.

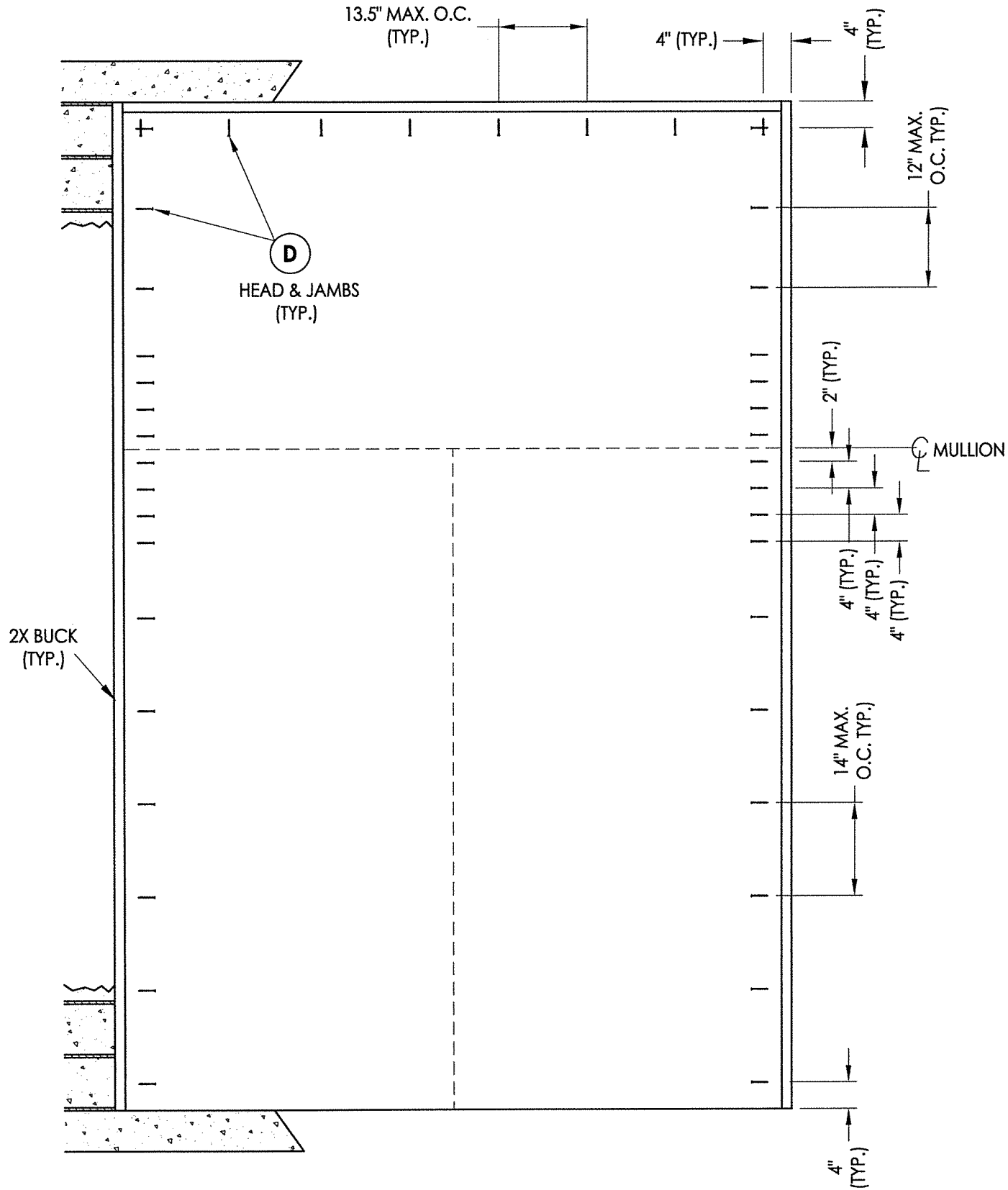


O/OX Shown (O/XO - Similar)



DATE: 2/14/17		REVISIONS 	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21891.3			
SHEET 11 OF 14			

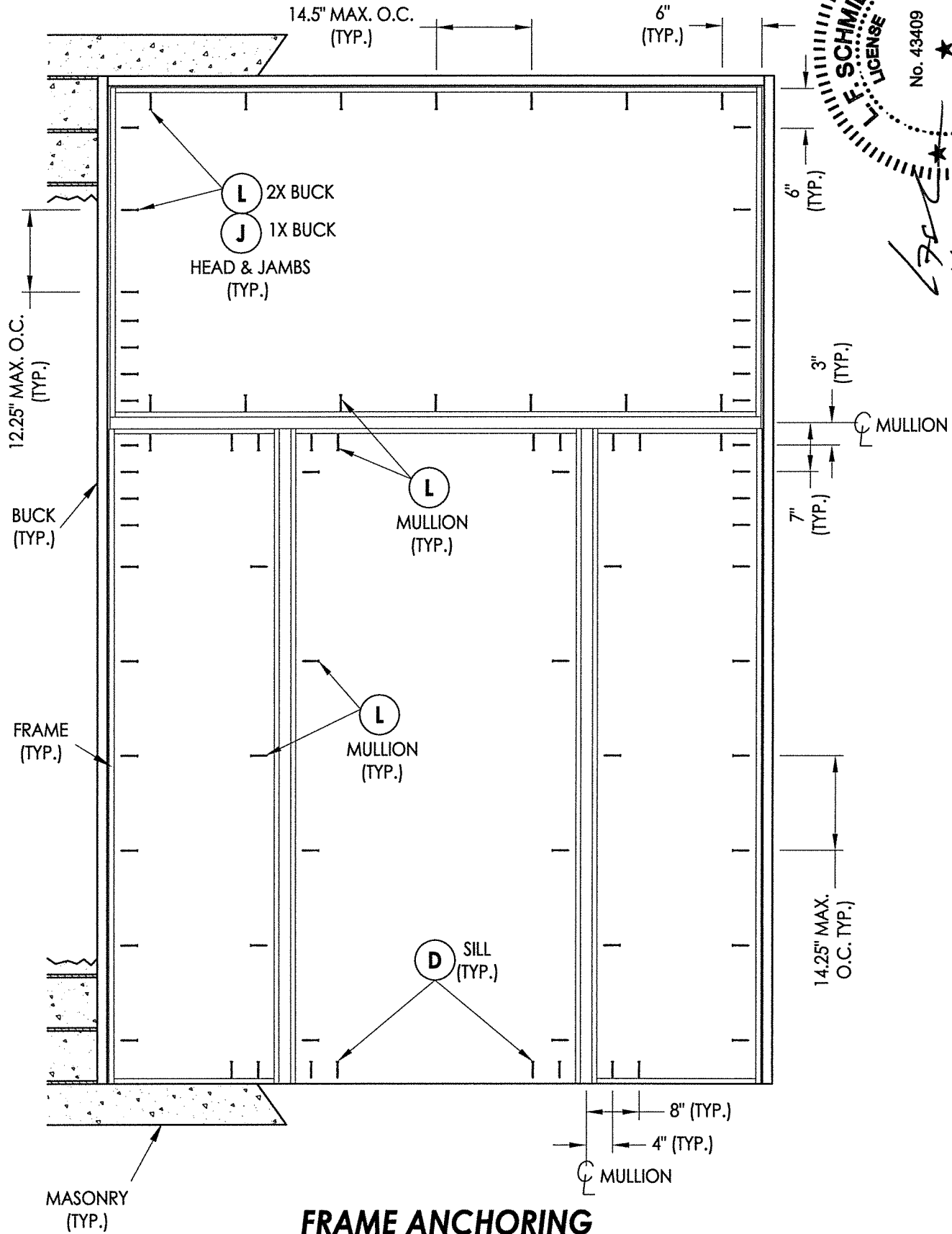
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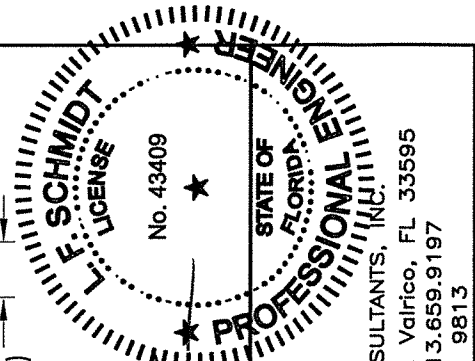
2X BUCK ANCHORING
O/OXO

NOTE:

1. ALL FRAME CORNERS SECURED WITH (3) #8 X 2-1/2" FH DEEP THREAD WOOD SCREWS @ SILL.



FRAME ANCHORING
O/OXO



Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

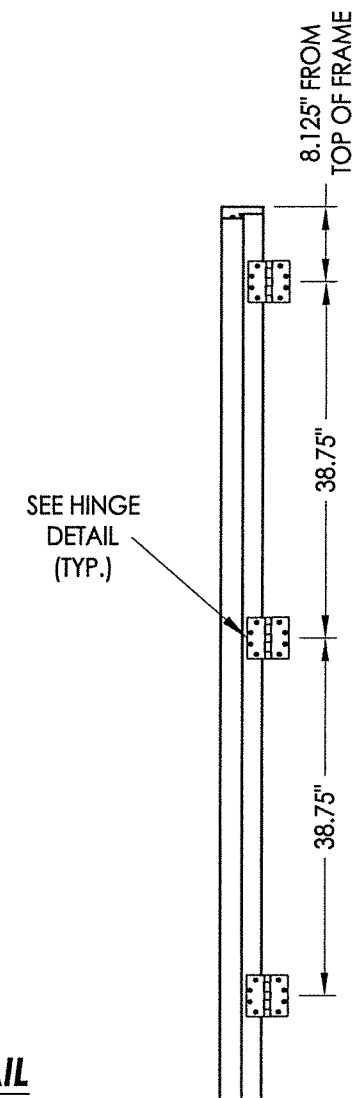
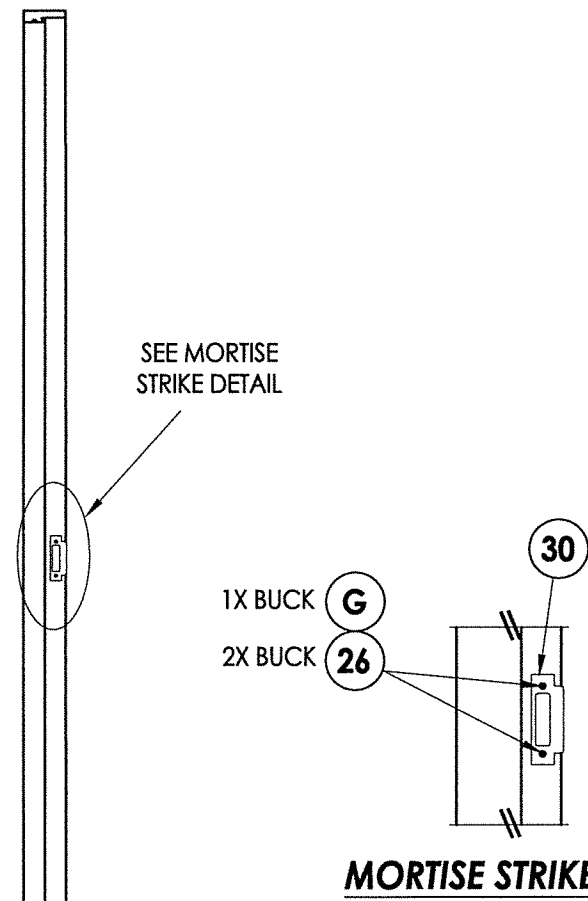
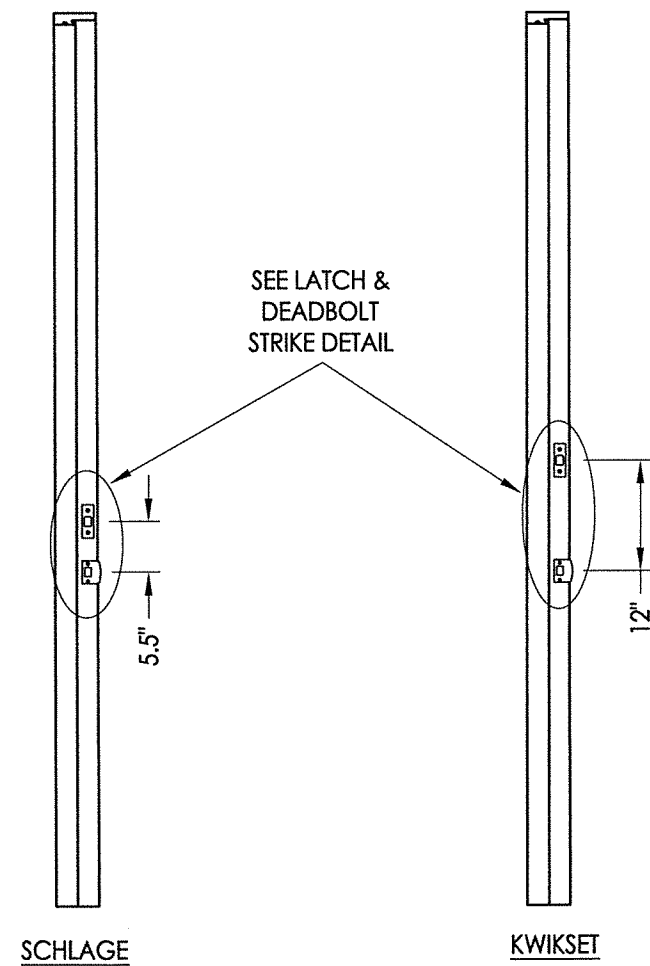
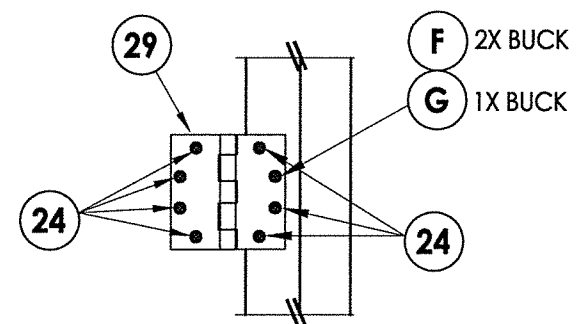
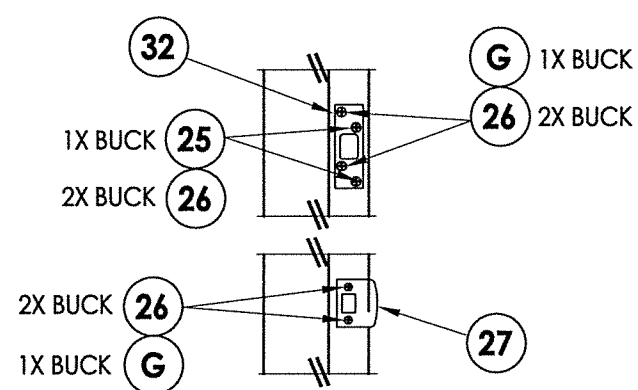
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT: MILLWORK 360 WOOD DOOR

PART OR ASSEMBLY: BUCK & FRAME ANCHORING (O/OXO)

REVISIONS		NO	DATE	BY

DATE: 2/14/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21891.3
SHEET 12 OF 14

[illegible]

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#12 X 2-1/2" PFH WOOD SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
K	1/4" X 1-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
1	JAMB (Door)	WOOD
2	JAMB (Transom and Sidelite)	WOOD
3	MULLION	LSL
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
14	OUTSWING THRESHOLD	ALUM/COMP
15	INSWING THRESHOLD	ALUM/COMP
16	ADA THRESHOLD	ALUM
22	#10 X 2" PFH WOOD SCREW	STEEL
24	#12 x 1" PFH WOOD SCREW	STEEL
25	#8 x 1-3/4 PFH WOOD SCREW	STEEL
26	#8 x 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4.5" X 4.5" HINGE	STEEL
30	MORTISE STRIKE PLATE	STEEL
32	DEADBOLT SECURITY STRIKE PLATE	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-
70	TRANSOM PANEL	-

WOOD FRAME COMPONENTS: SIPO (UTILE) ($G = 0.53$)

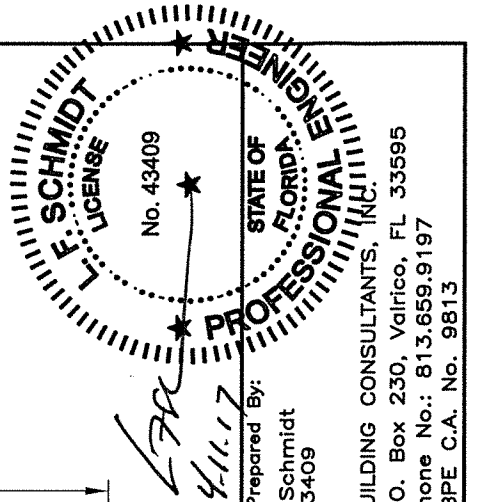
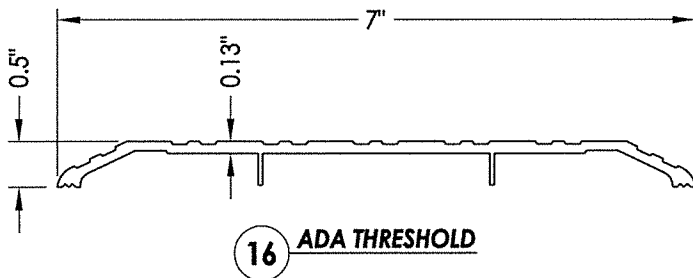
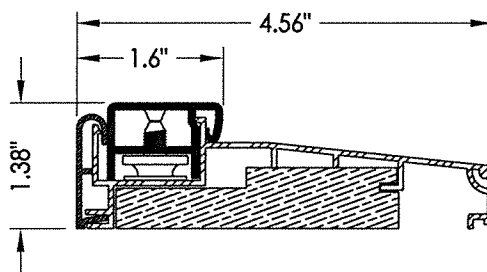
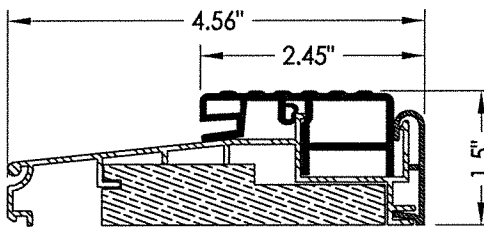
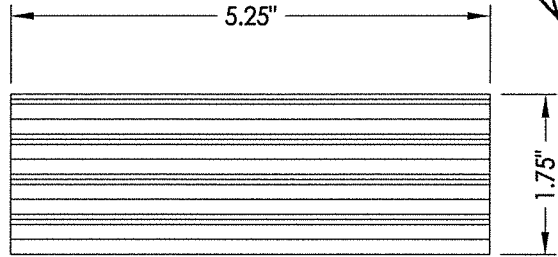
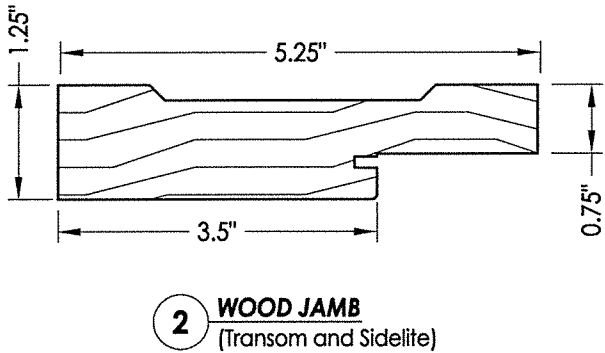
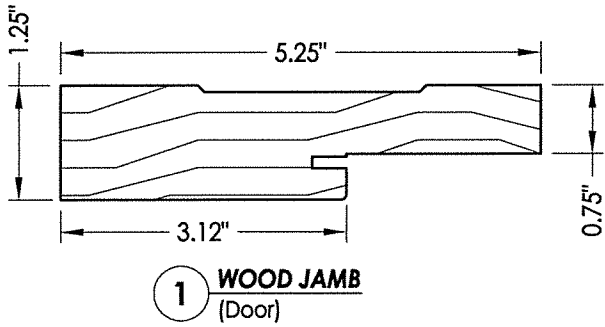
CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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